

# DAS, DOA, SFAR 36 Authorization Procedures IVT Handout


## Overview of Order 8100.DDS

ORDER 8100.XX

DAS, DOA, AND SFAR 36 AUTHORIZATION  
PROCEDURES

DRAFT

Revision 1.0



Date released

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

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## Overview

- ✈ Background
- ✈ Draft Order Review
- ✈ Prototype Program Review

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## Background



- ✈ DDS team chartered in Aug 97
  - ◆ Consolidate existing policy
  - ◆ Develop appointment/oversight criteria
  - ◆ Consider future rules as feasible
  - ◆ Target date Dec 98
- ✈ Prototype concept approved Apr 99
  - ◆ Workshop Jul 99
- ✈ Revised target date Oct 00

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## Background



***“Where in the World.....?”***

AC 21.431-1A  
DAS Procedures

Notice 8110.66  
Procedural  
Guidance for.....  
Notice  
8130.68.....

*Evolution*

Local  
Procedures.....

AC 140-8 Guide  
for Developing and  
Evaluating an  
SFAR 36.....

Order  
8000.42A  
Authorization to  
Develop and Use  
Major.....

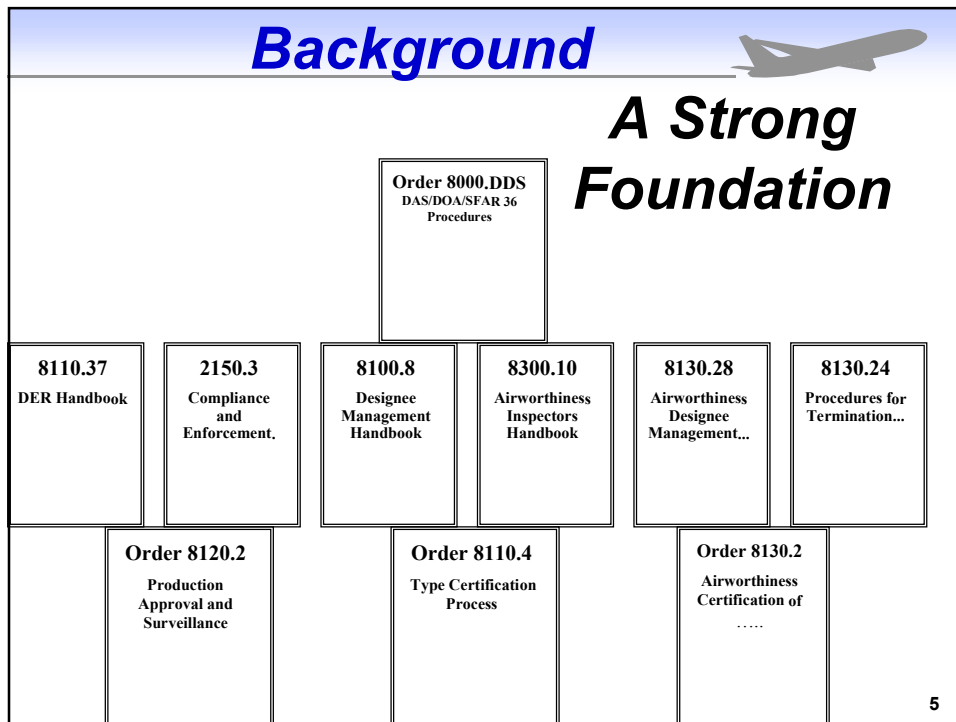


*Creationism*



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# DAS, DOA, SFAR 36 Authorization Procedures IVT Handout



## Draft Order Review

## Order 8100.XX Content

- ➔ Chapter 1-Introduction
- ➔ Chapter 2-DDS Qualifications, Responsibilities and Authority
- ➔ Chapter 3-Selection, Appointment and Oversight
- ➔ Chapter 4-Designated Alteration Stations
- ➔ Chapter 5-Delegated Option Authorizations
- ➔ Chapter 6-SFAR 36 Authorizations
- ➔ Chapter 7-Designee Information Network
- ➔ Appendix 1-Sample Forms and Letters
- ➔ Appendix 2-Sample DAS Procedures Manual
- ➔ Appendix 3-Sample DOA Procedures Manual
- ➔ Appendix 4-Sample SFAR 36 Procedures Manual

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## ***Draft Order Review***



# ***Chapter 1 Introduction***

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## ***Draft Order Review***



# ***General***

- Purpose
- Cancellation
- Effective Date/Implementation
- Key Definitions
  - ◆ Appointing Office
  - ◆ Authorized Representative
  - ◆ Managing Office
  - ◆ Principal Inspector
  - ◆ Principal Engineer

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## ***Draft Order Review***



### ***Chapter 2 Qualifications, Responsibilities and Authority***

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## ***Draft Order Review***



### ***Eligibility***

Para 2-2

- ➔ Sufficient workload to warrant
- ➔ Benefit to the FAA
- ➔ Ability to manage Qualified Staff
- ➔ Adequate Facilities
- ➔ Sufficient and recent history of certification work
- ➔ Integrity, sound judgement
- ➔ Demonstrated Need

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### ***Responsibility of Authorized Organization***

Para 2-3

- ➔ Regulations And Orders, Notices, etc still apply
- ➔ Let your staff be free
  - ◆ Adequate time to perform on the FAA's behalf
  - ◆ No pressure
  - ◆ Independent from normal chain of command
- ➔ Allow the FAA access
  - ◆ "...shall allow the FAA to inspect, evaluate or survey the facilities, products,...."

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### ***Memorandum of Understanding***

Para 2-4

- ➔ Outlines the organization's responsibilities as a representative of the administrator
- ➔ Signed by senior management and FAA managers before appointment
- ➔ Example in Appendix 1
- ➔ Updated when signatories of the authorization holder changes

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### ***Administrator- Responsibilities/Qualifications***

Para 2-5

- ➔ Responsible for overall management and coordination
  - ◆ FAA point of contact
  - ◆ Ensures compliance with manual/regulations
- ➔ Qualifications
  - ◆ Significant experience working with the FAA
  - ◆ **Extensive** knowledge of FAA policy and procedures
  - ◆ Most familiar with all aspects of the authorization

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### ***Authorized Representative (AR) - Responsibilities/Qualifications***

Para 2-5

- ➔ Responsibilities
  - ◆ Make findings of compliance
  - ◆ Determine conformity
  - ◆ Determine airworthiness
  - ◆ Sign records/forms etc.
- ➔ Conflict of Interest
  - ◆ Holders must ensure no conflicting constraints

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### ***Authorized Representative (AR) - Responsibilities/Qualifications (cont'd)***

Para 2-5

- DER/DMIR/DAR Qualification Requirements apply
- ARs don't have to be DER/DMIR or DAR
- Use Order 8100.8, Designee Management Handbook, as guide
- Trainee Provisions
  - ◆ Used for AR to gain experience with the FAA
  - ◆ Supervision by other AR or the FAA
  - ◆ May not make findings or determinations for FAA
  - ◆ ID'd in procedures manual

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### ***Authorized Representative (AR) - Responsibilities/Qualifications (cont'd)***

Para 2-6

- Existing Designees
  - ◆ May be authorized as staff member without “further showing” to perform like functions
  - ◆ Must be evaluated and approved to perform functions as AR not approved under existing delegation
  - ◆ AR duties remain separate from DER/DMIR/DAR duties. Must maintain sufficient “designee” duties to maintain delegation.

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### ***Procedures Manual***

Para 2-7

#### ➔ Manual must include

- ◆ Cover page with signature blocks'
- ◆ Table of Contents
- ◆ Log of Revisions
- ◆ List of Effective Pages
- ◆ Description of how to process changes to the manual
- ◆ Description of the authorization holder's facilities

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### ***Procedures Manual(cont'd)***

Para 2-7

- ◆ Listing of ARs with authorized functions and limitations
- ◆ Description of the procedures used in performing authorized functions
- ◆ A sample of the forms used to indicate inspections acceptance or findings of compliance
- ◆ Processes for performing self evaluation
- ◆ Processes for trainee development (if applicable)

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### ***Procedures Manual(cont'd)***

**Para 2-7**

- ➔ Must be FAA approved
- ➔ Changes must be approved prior to implementation
- ➔ Sample manuals are provided in the appendices

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### ***Training Requirements***

**Para 2-8**

- ➔ Company provided training
  - ◆ Upon approval as AR, every 2 years
  - ◆ May be classroom or material review, etc.
  - ◆ Must allow FAA attendance or review of training material, as applicable
  - ◆ Should consist of:
    - ➔ Review of the functions delegated to the authorization
    - ➔ Review of the procedures manual
    - ➔ Review of the ARs authority and responsibility
    - ➔ Review of FAA policy and guidance material
    - ➔ Review of representative documentation completed by the authorization holder

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### ***Training Requirements (cont'd)***

**Para 2-8**

#### **✈️ FAA Seminars**

- ◆ DAS/DOA administrators must attend DAS/DOA seminar every 2 years\*
- ◆ ARs must attend seminars applicable to DER/DMIR/DAR, as applicable

**\* Courses currently not held**

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### ***Duration of Authorization***

**Para 2-9**

- ✈️ Effective until surrendered or suspended, revoked or terminated
  - ◆ **SFAR 36 effective until termination date of SFAR**
  - ◆ **Changes in ownership**
  - ◆ **Changes involving personnel or structure within the organization may require holder to surrender its authorization and submit new application**
  - ◆ **Must notify FAA within 48 hours of changes**

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### ***Self Evaluation***

Para 2-10

- ➔ Annual (or as agreed to) audits to ensure compliance to regulations/directives/ procedures manual
- ➔ Personnel evaluated using criteria in Orders 8110.37/8130.28
- ➔ Process audits to ensure conformity to type design and compliance to the airworthiness standards
- ➔ Audit records provided to FAA upon request
- ➔ Order 2150.3 self-disclosure policy applies
- ➔ General procedures identified in procedures manual

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### ***Manufacturing work activity***

Para 2-11

- ➔ Summary Activity Report prescribed in Order 8
- ➔ Organization manufacturing activity
- ➔ Submitted as prescribed by the managing MIDO

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**Chapter 3  
Application, Selection,  
Appointment, and  
Oversight**

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**Managing Offices**

Para 3-2

- ➔ DAS - ACO\*/MIDO/FSDO
- ➔ DOA - ACO\*/MIDO/FSDO
- ➔ SFAR 36 - FSDO\*/ACO

\* Primary managing office

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### ***Application***

**Para 3-3**

- Submit in accordance with regulations
  - ◆ to Geographic ACO for DAS/DOA
  - ◆ to Managing FSDO for SFAR
- Applicant's evaluation of proposed ARs
  - ◆ Use appropriate criteria in Order 8100.8
  - ◆ Not required for existing designees unless adding functions/areas not currently authorized
  - ◆ Must submit documentation of ARs' evaluations

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### ***Initial Screening***

**Para 3-3 b**

- Done by ACO or FSDO
  - ◆ Determine applicant meets basic requirements
    - ⇒ Eligibility per regulations
    - ⇒ Determination of FAA need
    - ⇒ Successful, recent history of working with the FAA
    - ⇒ Integrity, sound judgment, and cooperative attitude

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### ***Evaluation Panel***

Para 3-3 c

- ➔ Panel personnel determined by appointing office
  - ◆ May consist of accountable directorate, MIDO, FSDO, AEG, ACO personnel, etc.
- ➔ Verifies finding of initial screening
- ➔ Must consider:
  - ◆ FAA Need for Appointment
  - ◆ FAA ability to manage
  - ◆ Qualifications of ARs
  - ◆ Adequacy of facilities
  - ◆ Administrator and ARs must possess integrity, sound judgement, cooperative attitude

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### ***Evaluation of ARs***

Para 3-3 d

- ➔ Managing offices must ensure ARs meet criteria in Order 8100.8 as appropriate
  - ◆ Existing designees may be approved as AR staff members without technical review of their qualifications if they will be performing similar functions.

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### ***Procedures Manual Approval***

Para 3-3 e

- ➔ Evaluation panel must review
- ➔ Ensure process complies with regulations and all applicable FAA orders
- ➔ MOU is signed after approval
  - ◆ Signed by FAA/Organization officials

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### ***Authorization***

Para 3-3 f

- ➔ Authorization letter
  - ◆ Include limitations
  - ◆ Issued by ACO/FSDO
  - ◆ Coordinated with MIDO, others
  - ◆ Sample in Appendix 1
- ➔ Appointing office shall provide names and phone numbers of managing office point of contacts.

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### **Oversight**

Para 3-4

- FAA Files. Managing Offices must maintain files as referenced para 3-4a.(1)
- Revisions to procedures manual must be reviewed and approved before implemented
- AR Changes
  - ◆ Managing office shall notify authorization holder of approval within 15 days
- Guidance Information
  - ◆ FAA will assist organization in obtaining information
  - ◆ Managing offices should provide copies of policy info and material not available on the internet

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### **Oversight (cont'd)**

Para 3-4 b

- Managing office responsibilities
  - ◆ ACO - engineering, flight test, type certification staff and procedures
  - ◆ MIDO - conformity, inspection staff and procedures
  - ◆ FSDO - SFAR 36 holder certificate management

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### Oversight (cont'd)

Para 3-4 c

#### → Supervision/Monitoring/Tracking

##### ◆ Frequency of inspections

- ⇒ Established by managing FAA offices
- ⇒ Based on experience and quality of project work
- ⇒ Coordinated with administrator\*

*\* The Organization is the responsible authority and not the individual representatives under the authorization holder. However, this organizational approach does not in any way prohibit the FAA from interfacing with individual ARs who perform authorized functions.*

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### Oversight (cont'd)

Para 3-4 c(1)

#### → PEs and Pls must ensure:

- ◆ Self Evaluation reports reviewed
- ◆ Compliance with procedures manual
- ◆ Access to policy/guidance
- ◆ Scope of AR authority
- ◆ Documentation is reviewed as needed
- ◆ Enforcement action per 2150.3 as appropriate

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### ***Oversight (cont'd)***

Para 3-4 c(2)

- Evaluation Criteria
  - ◆ Adherence to FAA approve procedures
  - ◆ Integrity, sound judgement, cooperative attitude
  - ◆ Technical competence
  - ◆ Compliance with regulations

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### ***Oversight (cont'd)***

Para 3-4 d/e

- ACSEP Evaluations
  - ◆ IAW Order 8100.7
- Technical Data Substantiation Evaluations
  - ◆ Evaluates methods, data, articles used to substantiate compliance
  - ◆ Determine whether products and data
    - ⇒ Technically acceptable
    - ⇒ Comply with regulations
    - ⇒ Produced using sound engineering judgment and practices
  - ◆ Recommend two year interval
  - ◆ May conduct nonscheduled evaluations

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### ***Oversight (cont'd)***

**Para 3-4 f/g**

#### → **Corrective Action**

- ◆ ACO/MIDO/FSDO must ensure that corrective actions are implemented for any findings resulting from ACSEP, Tech Data Evaluations, or routine supervision
- ◆ Findings must be tracked and re-evaluated after implementation

#### → **Termination IAW Order 8130.24**

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### ***Chapter 4 Designated Alteration Stations (DAS)***

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### **DAS**

#### ✈ Eligibility

Para 4-1 a-c

- ◆ Part 121 or 145 cert or manufacturer (43.3j)
- ◆ Knowledge of STC process and previously been granted STCs

#### ✈ Authority

- ◆ Issue STCs
- ◆ Issue “show compliance” experimental certificate
- ◆ Issue amended standard certificate

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### **DAS**

#### ✈ Limitations

Para 4-1 d

- ◆ Types of products authorized to maintain under existing certificate
- ◆ ACO may impose any limitations necessary
- ◆ Areas reserved for FAA- e.g. may not be delegated :
  - ⇒ Interpretations of airworthiness standards
  - ⇒ Part 34/36 compliance findings
  - ⇒ Application of equivalent safety provisions
  - ⇒ Undue burden decision papers

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### **DAS**

Para 4-1 e

- ➔ Responsibilities
  - ◆ Service Difficulties
  - ◆ Records
    - ➔ STC Data Files
    - ➔ Airworthiness Certification Files

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### **DAS STC Projects**

Para 4-2 a

- ➔ STC Projects should comply with Order 8110.4
- ➔ Program Notification
  - ◆ Information referenced in order
  - ◆ ACO must coordinate internally
  - ◆ ACO responds to program notification in writing within 30 calendar days

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### ***DAS STC Projects (cont'd)***

→ FAA participation for the following <sup>Para 4-2 a (2)</sup>

- ◆ Areas reserved for FAA
- ◆ Areas involving new design concepts
- ◆ Areas where DAS has no experience
- ◆ Areas where DAS has not shown satisfactory capability
- ◆ Areas where service difficulties have surfaced
- ◆ Noise and emission substantiation
- ◆ Known safety related problems

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### ***DAS STC Projects (cont'd)***

**Para 4-2 a (3)**

→ Instructions for Continued Airworthiness

- ◆ Finding acceptability of ICA is not delegated
- ◆ ICA must be submitted to ACO for AEG coordination
- ◆ ACO must approve airworthiness limitations

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### ***Engineering Approval***

Para 4-2 a (4)

- ARs responsible for making findings of compliance to the airworthiness standards
- Documentation requirements of 8110.4 apply
- All forms used by the DAS provided in the procedures manual/approved by FAA
  - ◆ New Form 8110-ORG for engineering approval

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### ***Conformity and Airworthiness***

Para 4-2 a (5)

- FAA Form 8130-9 must be completed prior to AR's final conformity inspection
  - ◆ Signed by the party responsible for the fabrication/assembly, NOT the AR making the conformity finding
- Documentation requirements of 8110.4 apply
- Forms other than FAA forms must be provided in the procedures manual/approved by FAA

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### **STC Issuance**

Para 4-2 a (6)

- May only issue STCs to authorization-holding repair station or carrier or manufacturer
- ACO issues STC numbers
- STC data shall be submitted to ACO within 30 days
- Transfer of STCs done IAW 21.47 and Order 8110.4
- Amendment of any STC (DAS owned) requires program notification/approval

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### **Airworthiness Certification**

Para 4-2 b

- Comply with Order 8130.2
- Form 8130-6 required for special show compliance
  - ◆ Signed by owner or agent
  - ◆ Airworthiness limitations coordinated with the managing MIDO
  - ◆ Existing certificates must be surrendered prior to issuance
- Airworthiness certification data must be sent to the managing MIDO for processing
- Airworthiness certification only attests to modification

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### **Airworthiness Certification**

*(cont'd)*

Para 4-2 b

- Comply with Order 8130.2
- Form 8130-6 required for amended standard issued by DAS
  - ◆ Signed by owner or agent
  - ◆ Special certificates must be surrendered  
Airworthiness certification data must be sent to the managing MIDO for processing
- ICA must be complete prior to issuing amended standard airworthiness certificate (FAR 21.50)
- Airworthiness certification only attests to modification

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### **Off Site Activities**

Para 4-2 c

- Must be authorized by ACO and MIDO
- Off-site projects must be accomplished at appropriately rated FAA repair stations
  - ◆ ACO coordinate with FSDO to ensure capability
- Must be addressed in the procedures manual
- DAS must have system in place to assure compliance
- Program notification must address off site considerations

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### ***Foreign Activities***

Para 4-2 d

- ➔ Installation at foreign location requires specific ACO approval
  - ◆ Undue burden decision paper
  - ◆ ACO must obtain FCAA concurrence
- ➔ Foreign registered aircraft
  - ◆ ACO must obtain FCAA concurrence
  - ◆ Configuration of aircraft must be verified
  - ◆ Can't issue airworthiness certificates
  - ◆ FCAA responsible for airworthiness
  - ◆ FAA may issue SFA if in US

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### ***Chapter 5 Delegation Option Authorization (DOA)***

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### **DOA**

#### → Eligibility

Para 5-1 a

- ◆ TC/PC holder of small aircraft, aircraft engines, propellers

#### → Authority-

- ◆ make findings leading to the issuance/amendment of:
  - ⇒ **Type Certificates**
  - ⇒ **Production Certificates/PLRs**
- ◆ Issue airworthiness certificates
- ◆ Export approvals
- ◆ Approve major repairs and major alterations

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## *Draft Order Review*



### **DOA**

Para 5-1 b.(5)

#### → Limitations

- ◆ FAA may impose any limitations necessary
- ◆ May not delegate inherent governmental functions:
  - ⇒ **Interpretations of airworthiness standards**
  - ⇒ **Part 34/36 compliance findings**
  - ⇒ **Application of equivalent safety provisions**
  - ⇒ **Rulemaking**

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### **DOA**

**Para 5-1 b**

- Finding compliance with foreign regulations
  - ◆ May be authorized by the ACO
  - ◆ DOA will forward approvals to the ACO
  - ◆ ACO will transmit FAA approval to the FCAA

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### **DOA**

**Para 5-1(6)/c**

- Responsibilities
  - ◆ Service Difficulties
  - ◆ Records
    - ⇒ TC Data Files
    - ⇒ Airworthiness Certification Files

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### ***DOA Authorized Functions***

Para 5-2 a

- ➔ TC Projects should comply with all applicable FAA directives
- ➔ The certification process used by the DOA holder is essentially equivalent to that used by the FAA for standard certification projects

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### ***DOA Authorized Functions (cont'd)***

- ➔ Program notification Para 5-2 a.(1)/(2)
  - ⇒ Proposed certification plan
  - ⇒ TC application
  - ⇒ Proposed Certification Basis
- ◆ ACO must coordinate program notification internally
- ◆ MIDO will determine their level of involvement and notify DOA and ACO
- ➔ ACO will notify DOA in writing of areas where the FAA will make specific findings

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### ***DOA Authorized Functions (cont'd)*** Para 5-2 a.(3)

→ FAA will make specific findings for the following

- ◆ Areas where DOA has no experience
- ◆ Areas where policy or procedural changes have been made
- ◆ New or amended regulations
- ◆ Areas where service difficulties have surfaced
- ◆ Areas involving new design concepts
- ◆ Design areas critical to safety
- ◆ Flight testing of critical areas

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### ***DOA Authorized Functions (cont'd)*** Para 5-2 a.(4)

→ Type Certification Board Meetings

- ◆ Held IAW Orders 8110.4 and 8430.21
- ◆ DOA administrator will chair board meetings
- ◆ Coordinate scheduling with the FAA

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### ***DOA Authorized Functions (cont'd)***

Para 5-2 a.(5)

#### **Compliance with Airworthiness Standards**

- ARs responsible for making findings of compliance to the airworthiness standards
- Documentation requirements of 8110.4 apply
- Forms other than FAA forms must be provided in the procedures manual/approved by FAA
  - ◆ New Form 8110-ORG for engineering approval

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### ***DOA Authorized Functions (cont'd)***

Para 5-2 a.(6)

#### **Equivalent Safety Provisions**

- FAA responsible for defining equivalent safety provisions
  - ◆ DOA submits request and FAA coordinates by Issue Paper
  - ◆ Normally involves FAA specific findings
  - ◆ ARs determine compliance
  - ◆ DOA submit findings in writing

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### ***DOA Authorized Functions (cont'd)***

#### **Conformity**

Para 5-2 a.(7)

- ➔ FAA Form 8130-9 must be completed prior to AR's final conformity inspection
  - ◆ Signed by the party responsible for the fabrication/assembly, NOT the AR making the conformity finding
- ➔ Documentation requirements of 8110.4 apply
- ➔ Forms other than FAA forms must be provided in the procedures manual/approved by FAA

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### ***DOA Authorized Functions (cont'd)***

#### **Airworthiness Inspections**

Para 5-2 a.(8)

- ➔ Comply with Order 8130.2
- ➔ Form 8130-6 required for experimental certificates
  - ◆ **Airworthiness limitations coordinated with the managing MIDO**
  - ◆ **Existing certificates must be surrendered prior to issuance**
- ➔ Airworthiness certification data must be sent to the managing MIDO for processing

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### ***DOA Authorized Functions (cont'd)***

Para 5-2 a.(9)

#### **ICAW**

- Finding acceptability of ICA is not delegated
- ICA must be submitted to ACO for AEG coordination
- ACO must approve airworthiness limitations

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### ***DOA Authorized Functions (cont'd)***

Para 5-2 a.(10)

#### **Type Certification Issuance**

- DOA holder submits required data
  - ◆ Certification Statement of Compliance
  - ◆ §21.293(a)(1)(i) Data Statement
  - ◆ Proposed TCDS
  - ◆ Flight Manual, ICA, etc.
- ACO responsible for TC/TCDS issuance after
  - ◆ Review data package
  - ◆ Verify specific findings complete
  - ◆ Approve Airworthiness Limitations

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### ***DOA Authorized Functions (cont'd)***

Para 5-2 a.(11)

#### **Foreign Registered Aircraft**

- ◆ ACO must obtain FCAA concurrence
- ◆ Configuration of aircraft must be verified
- ◆ Can't issue airworthiness certificates
- ◆ FCAA responsible for airworthiness
- ◆ FAA may issue SFA if in US

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### ***DOA Authorized Functions (cont'd)***

#### **Post TC Airworthiness Cert**

Para 5-2 b

- ➔ Comply with Order 8130.2
- ➔ Form 8130-6 required for certificates issued by DOA
  - ◆ **Signed by manufacturer**
  - ◆ **Airworthiness certification data must be sent to the managing MIDO for processing**
- ➔ ICA must be complete prior to issuing amended standard airworthiness certificate (FAR 21.50)
- ➔ 8130-9 must be submitted for aircraft not produced under PC

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***DOA Authorized Functions (cont'd)***

Para 5-2 c/d

**Airworthiness Approval/Export**

- ➔ May issue 8130-3 IAW 14 CFR 21.271 and Orders 8130.21 and 8130.2
- ➔ May issue export airworthiness approvals IAW 14 CFR 21.269 and AC 21-2

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***DOA Authorized Functions (cont'd)***

Para 5-2 e/f

**PC Changes/Major Repairs Alterations**

- ➔ DOA holder must notify the MIDO to have a new model added to the PLR after complying with 14 CFR 21.267
- ➔ DOA holder may approve major repair or major alteration
- ➔ DOA holder may execute Form 337 and make required log book entries

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**Chapter 6:  
SFAR 36  
AUTHORIZATIONS**

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**SFAR 36 References:**

Prototype DDS Order 8100.XX, AIR-100/200

SFAR 36, Amdt. 7 (eff.1/6/99, exp.1/23/04)

\***Order 8000.42A**, Authorization to Develop and Use  
Major Repair Data Not Specifically Approved by the  
Administrator (AFS, 3/28/80)

**Order 8300.10**, Airworthiness Inspector's Handbook,  
**Vol. 2, Chp. 2** (Chg. 9)

**AC 140-6C**, The Development and Use of Major Repair  
Data Under Provisions of Special Regulation No. 36

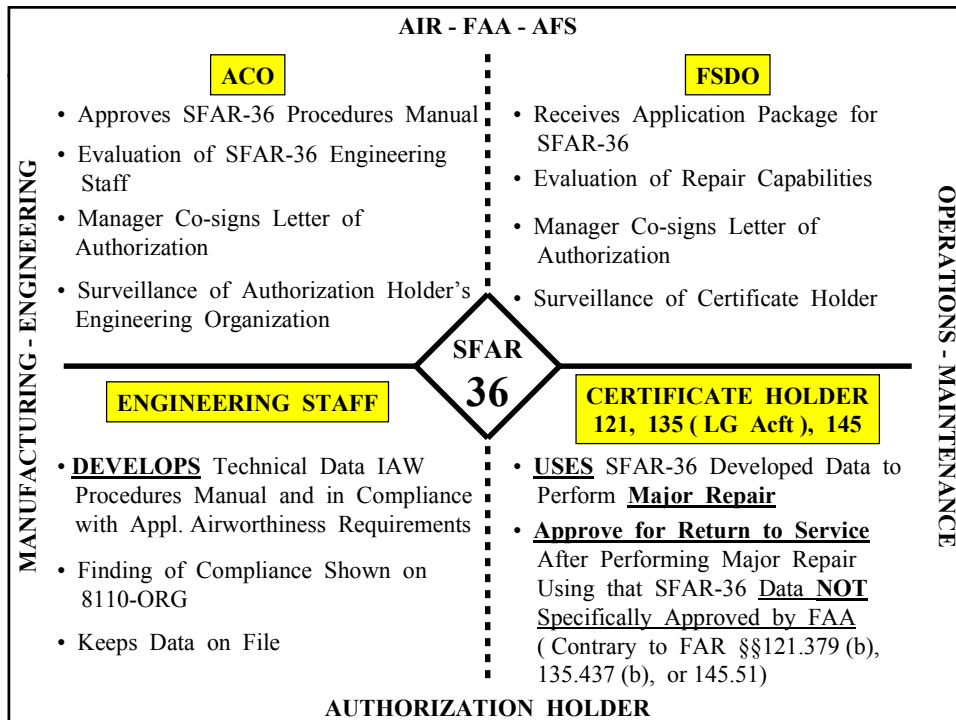
\***AC 140-8**, Guide for Developing and Evaluating an  
SFAR 36 Engineering Procedures Manual

\*will be cancelled by 8100.XX

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# DAS, DOA, SFAR 36 Authorization Procedures

## IVT Handout



## Draft Order Review



*[ref para 6-1a/b.]*

### Eligibility:

- Part 121 or 135 operator of **large** aircraft, **or**
- Domestic Part 145 repair station

### Authority:

- May develop data for **major repairs**, and
- May approve for return to service after performing major repair using such data **not specifically approved** by the FAA

## *Draft Order Review*



*[ref para 6-1 b.(3)]*

### **Limited to:**

- those products or articles for which the operating certificate holder is rated to repair under their existing CAMP or GMM (Ops Specs), **or**
- those products or articles for which the repair station is rated (Ops Specs)

**b.(4):** Data developed may only be used by that SFAR 36 holder

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## *Draft Order Review*



*[ref para 6-1c.]*

### **Responsibilities:**

- Must investigate unsafe conditions and conditions not conforming to the airworthiness standards and provide information required by SFAR 36, sec. 12.
- Must maintain records required by SFAR 36, sec. 13, a,b,c.
- Submit list of repairs accomplished to FSDO quarterly (even if No activity)

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## *Draft Order Review*



*[ref para 6-2a/b/c]*

### **SFAR 36 Holder:**

- a. Must have procedures to differentiate between major repairs and major alterations
- b. Must have an FAA approved procedures manual for the development of major repair data
- c. Must show compliance with applicable regulations on Form 8110-ORG

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## *Draft Order Review*



### ***Chapter 7 Designee Information Network (DIN)***

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# DAS, DOA, SFAR 36 Authorization Procedures IVT Handout

## *Draft Order Review*



### ***Designee Information Network (DIN)***

Para 7

- ➔ DIN is the FAA resource used to manage designee and delegation processes
- ➔ Managing offices must ensure DIN contains accurate data
- ➔ Final requirements for DDS & ODA to be determined

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## *Prototype Program Review*



### ***Prototype Program Review***

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## DAS, DOA, SFAR 36 Authorization Procedures IVT Handout

### *Prototype Program Review*



#### ***Prototype Goals***

- ➔ Validate the processes and requirements in the draft order
- ➔ Obtain industry/FAA feedback prior to full implementation
- ➔ Identify any changes needed in the draft order

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### *Prototype Program Review*



#### ***Prototype Expectations***

- ➔ Group of existing authorization holders and their managing FAA offices to “prototype” draft order
  - ◆ Update processes/manuals
  - ◆ Incorporate
    - ⇒ Self Audit
    - ⇒ Personnel Evaluation
    - ⇒ Training Requirements\*
    - ⇒ Etc.

\*Not yet Developed

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# DAS, DOA, SFAR 36 Authorization Procedures IVT Handout

## Prototype Program Review

### **Prototype Expectations (cont'd)**

- ➔ New DOA/DAS/SFAR 36 applicants utilize draft requirements
- ➔ Each participant conduct self audit
- ➔ Managing ACOs conduct engineering evaluations
  - ⇒ DDS team to develop requirements by Feb 00
- ➔ Managing MIDOs conduct evaluation of airworthiness and conformity files

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## Prototype Program Review

### **Prototype Participants**

#### **DAS's**

<b>DAS's</b>	<b>DAS administor</b>	<b>ACO Pt of contact</b>	<b>FSDO Pt of contact</b>	<b>MIDO Pt of contact</b>
Gulfstream (Savannah)	Jerry Boutwell	Jim Greenlee	Tom Bush	Clem Figueroa
Atlantic Aero	Richard Gritter	Jim Greenlee	Derek Watts	James Arnett
TIMCO	Jack Raia	Jim Greenlee	Bill Newby	James Arnett
Chromalloy Gas Turbine	Bruce Johnson	Jim Greenlee	Tom Miller	Kent Valentino
Rockwell Collins	Dale R. Koonts	Dale Bleakney	Les Williams/ Ray Weiland	Gary Benson
Boeing - Wichita	Fred T. DeWinkler	Tina Miller	Bob Strecker	Donna Basgall
AlliedSignal	Chris Durkin	Tina Miller	Marv Treese	Tilak Nandipati

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# DAS, DOA, SFAR 36 Authorization Procedures IVT Handout

## Prototype Program Review

### Prototype Participants *(cont'd)*

#### DAS's

DAS's	DAS administor	ACO Pt of contact	FSDO Pt of contact	MIDO Pt of contact
Atlantic Aviation Corp	John Sotak	Ram Rambrich	Kirk Jaegar	Gerald Mestell
Learjet Inc. – Denver	John May	Dave Grossman	Howard Long/ Don Bordonaro	Phil Lapp
Learjet Inc. - Tuscon	Rick Richardson	Kathy Skinner	George Bean	John Zarcone
Gulfstream-Long Beach	Marco A. Morejon	Kathy Skinner	Joe Bohnert	Curt Fulton
Hollingsead	Steve Mosher	Kathy Skinner	Raymond Hanna	Carmen Alvarez
United Airlines	Jim Takeuchi	Kathy Skinner	Paul Amstutz	Wanda Kimura
Raytheon Systems	Bill Weideman	Jim Grigg	Tommy Tucker	Mike Sloat

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## Prototype Program Review

### Prototype Participants *(cont'd)*

#### DOA's

DOA's	DOA administor	ACO Pt of contact	MIDO Pt of contact
Hartzell Propeller. Inc.	Richard Edinaer	Tomaso DiPaolo	Ron Fosnot
Cessna Pawnee (CE-3)	Mike McClary	Carlos Blacklock	Mack McHone/ Cindy Enslinger
Cessna M-10 Continent (CE-3)	Wendell W. Corneil	Carlos Blacklock	Mack McHone/ Cindy Enslinger
Raytheon (CE-2)	John Tique	Charlie Riddle	Bob Smith

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# DAS, DOA, SFAR 36 Authorization Procedures IVT Handout

## Prototype Program Review

### Prototype Participants (cont'd)

#### SFAR 36's

SFAR 36's	SFAR 36 administor	ACO Pt of contact	FSDO Pt of contact
Fed Express	Mark Yerger (Bill Cusato)	Jim Greenlee	Charles Whitlock
Northwest Airlines	Ursala Watts	Greg Michalik	Jim Freseman
Continental	Ronn McCaw	Alma Ramirez-Hodge	Roy Allen

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## Prototype Program Review

### **DDS Team Focal Points**

#### → HQ Program Monitors

- ◆ Carol Martineau/Ralph Meyer/Don Lausman/  
Nelson Soto/Les Sargent

#### → ANM

- ◆ Kathy Skinner/Dave Grossman/Kurt Krumlauf

#### → ACE

- ◆ Jim Peterson/Jim Greenlee/Tomaso DiPaolo

#### → ANE

- ◆ Balram Rambrich

#### → ASW

- ◆ Gary Roach/Alma Ramirez-Hodge

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# DAS, DOA, SFAR 36 Authorization Procedures IVT Handout

## Prototype Program Review

### Prototype Feedback

- Each participant's administrator will provide feedback through their ACO advisor
- ACOs provide feedback to focal points
- Use feedback form provided
- Focal points responsible for coordinating feedback with HQ program monitors
- Responses coordinated with DDS team by program monitors when necessary
- Significant items/changes communicated

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## Prototype Feedback Form

DAS/DOA/SFAR 36 Prototype Program Comment/Feedback Form	
No. _____ (Leave Blank)	
Date: _____	Phone: _____
Name: _____	Email: _____
Organization: _____	
Please describe your issue and rationale	
_____ _____ _____ _____ _____ _____	
Related Paragraph of Draft Order 8100.DDS: _____	
Recommended Wording Change to Draft Order: Para: _____	
_____ _____ _____ _____	
Managing ACO/MIDO/FSDO Comments: _____	
_____ _____ _____	
Disposition: (Leave Blank)	
_____ _____ _____	

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## DAS, DOA, SFAR 36 Authorization Procedures IVT Handout

### *Prototype Program Review*

#### ***Follow-On Activities***

- ➔ DDS team to disposition significant findings from prototype program
- ➔ Prototype feedback will be provided to participants
- ➔ Changes will be incorporated into DDS Order
- ➔ Targeting to issue order Oct 00

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# IVT COURSE EVALUATION

Please give us your candid opinions concerning the training you've just completed. Your evaluation of the IVT course is important to us, and will help us provide the best possible products and services to you. **Note: Your keypad responses are not identifiable by your name; only average item responses are provided to the instructor and to others responsible for the training.**

Use your Viewer Response Keypad to answer the following questions.

	Very Good	Good	Average	Poor	Very Poor
1. Length of course	A	B	C	D	E
2. Depth of information	A	B	C	D	E
3. Pace of training	A	B	C	D	E
4. Clarity of objectives	A	B	C	D	E
5. Sequence of content	A	B	C	D	E
6. Quality of course materials	A	B	C	D	E
7. Quality of graphics/visual aids	A	B	C	D	E
8. Readability of text on monitor	A	B	C	D	E

**Note: There are 2 evaluation forms included here. The first is for use by those who participated via IVT. The 2<sup>nd</sup> form is to be used if you watched the video; please complete and return to your training manager. Thanks for your feedback.**



	Very Good	Good	Average	Poor	Very Poor
9. Effectiveness of instructor(s)	A	B	C	D	E
10. Communication between student and instructor	A	B	C	D	E
11. Applicability of material to your job.	A	B	C	D	E
12. Overall quality of the course	A	B	C	D	E
13. Overall effectiveness of the IVT format	A	B	C	D	E
14. Would you like to take other IVT courses?	<b>A. YES                      B. NO                      C. UNDECIDED</b>				
15. On the key pad, enter your number of years of FAA experience.	_____ <i>(numeric answer)</i>				

***When finished, press the “Next Quest” key on your keypad and answer YES, then Enter. Your responses will be sent electronically. Individual responses are not tabulated; only item averages for each question are presented to the instructor(s) and to AIR-510.***

***Additional Comments may be faxed to  
the IVT Studio:***

**405-954-0317 / 9507**

# Self-Study Video Course Evaluation

Please give us your candid opinions concerning the training you've just completed. Your evaluation of the self-study video course is important to us, and will help us provide the best possible products and services to you.

Course title/number: \_\_\_\_\_

Date: \_\_\_\_\_

Number of years of FAA experience: \_\_\_\_\_

Name: \*(optional)

Routing Symbol:

For the following, please completely darken the circle appropriate to your response.

	Very Good	Good	Average	Poor	Very Poor
1. Length of course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Depth of information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Pace of training	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Clarity of objectives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Sequence of content	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Quality of course materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Quality of graphics/visual aids	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Readability of text on monitor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Very Good	Good	Average	Poor	Very Poor
9. Effectiveness of instructor(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. SKIP – intentionally left blank					
11. Applicability of material to your job	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. Overall quality of the course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. Overall effectiveness of the self-study video format	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14. Would you like to take other Video courses?	<input type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> UNDECIDED		
If not, why not?					
15. Rate your level of knowledge of the topic before and after taking this self-study course.					
	Very Low	Low	Moderate	High	Very High
BEFORE THE COURSE:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AFTER THE COURSE:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17. Additional comments:					

**PLEASE SEND THIS COMPLETED FORM TO YOUR  
DIRECTORATE/DIVISION TRAINING MANAGER (ATM).**